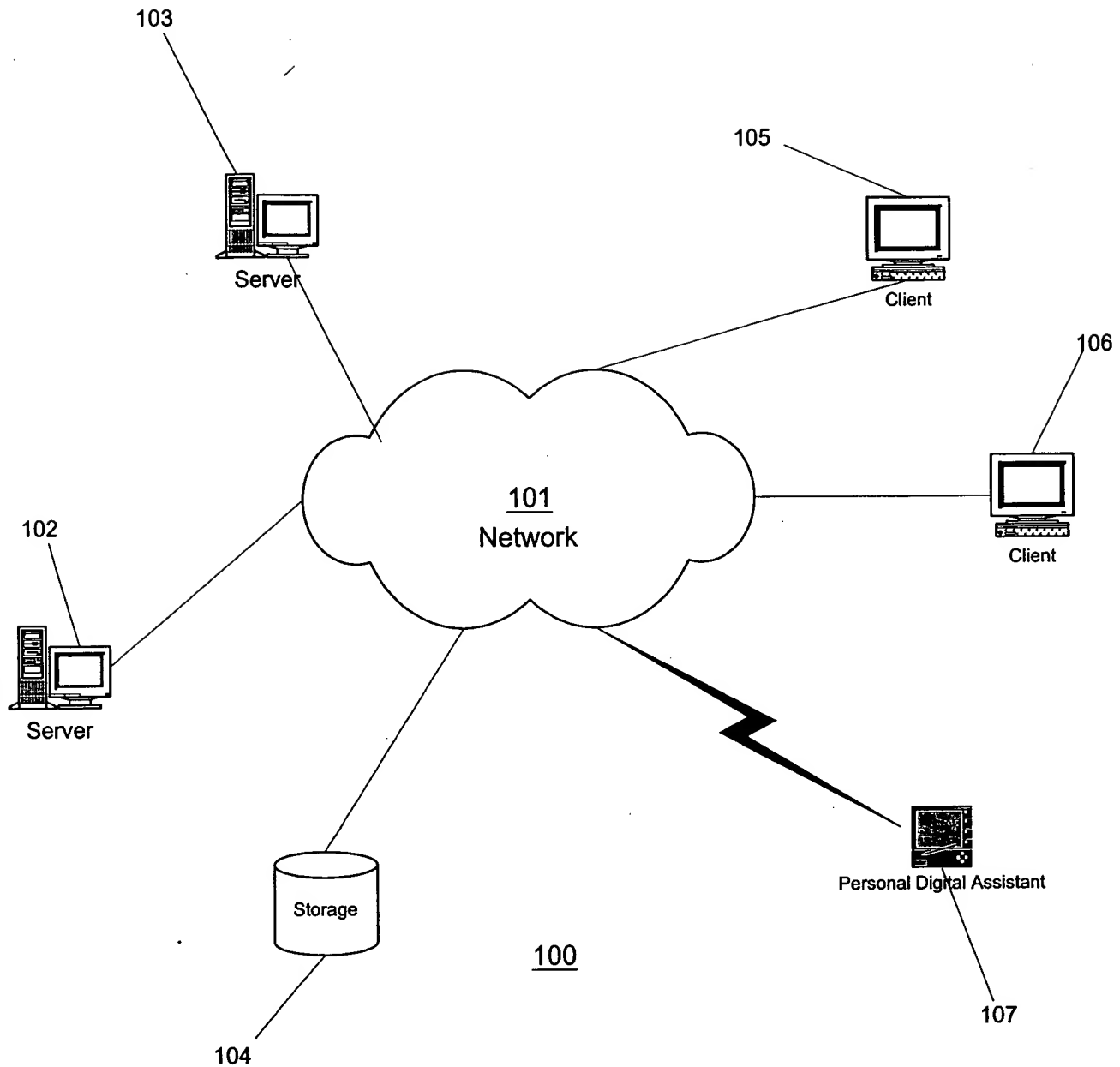
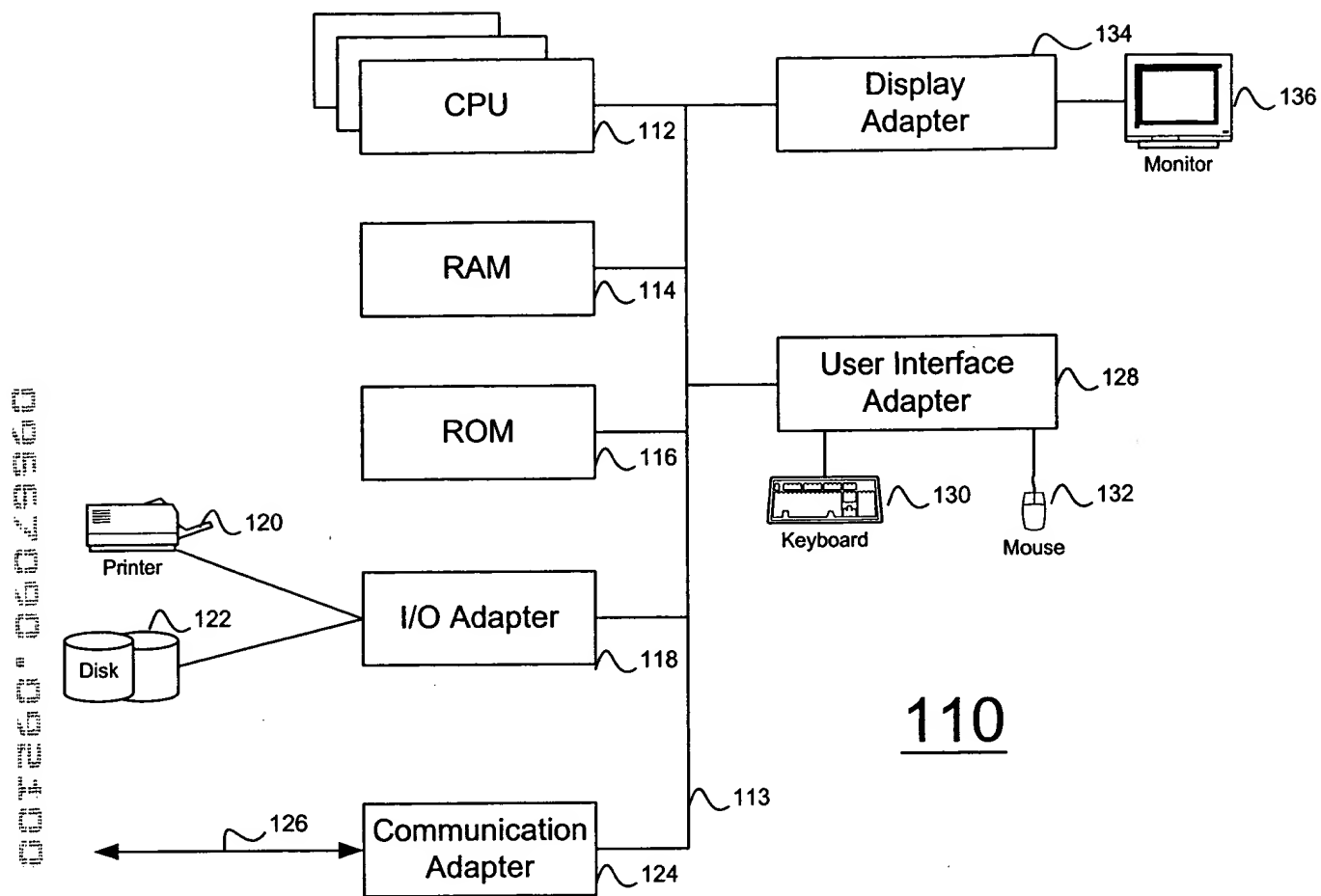


004260-06029960



Prior Art
Figure 1A



Prior Art

Figure 1B

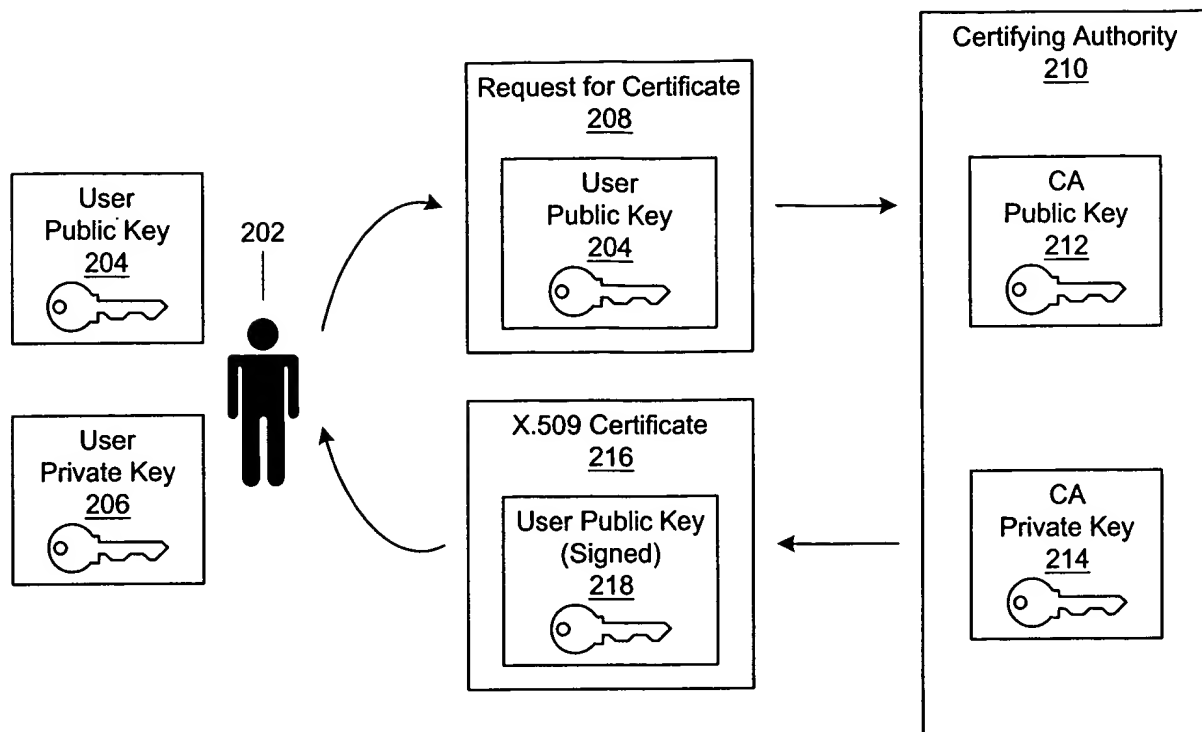


Figure 2

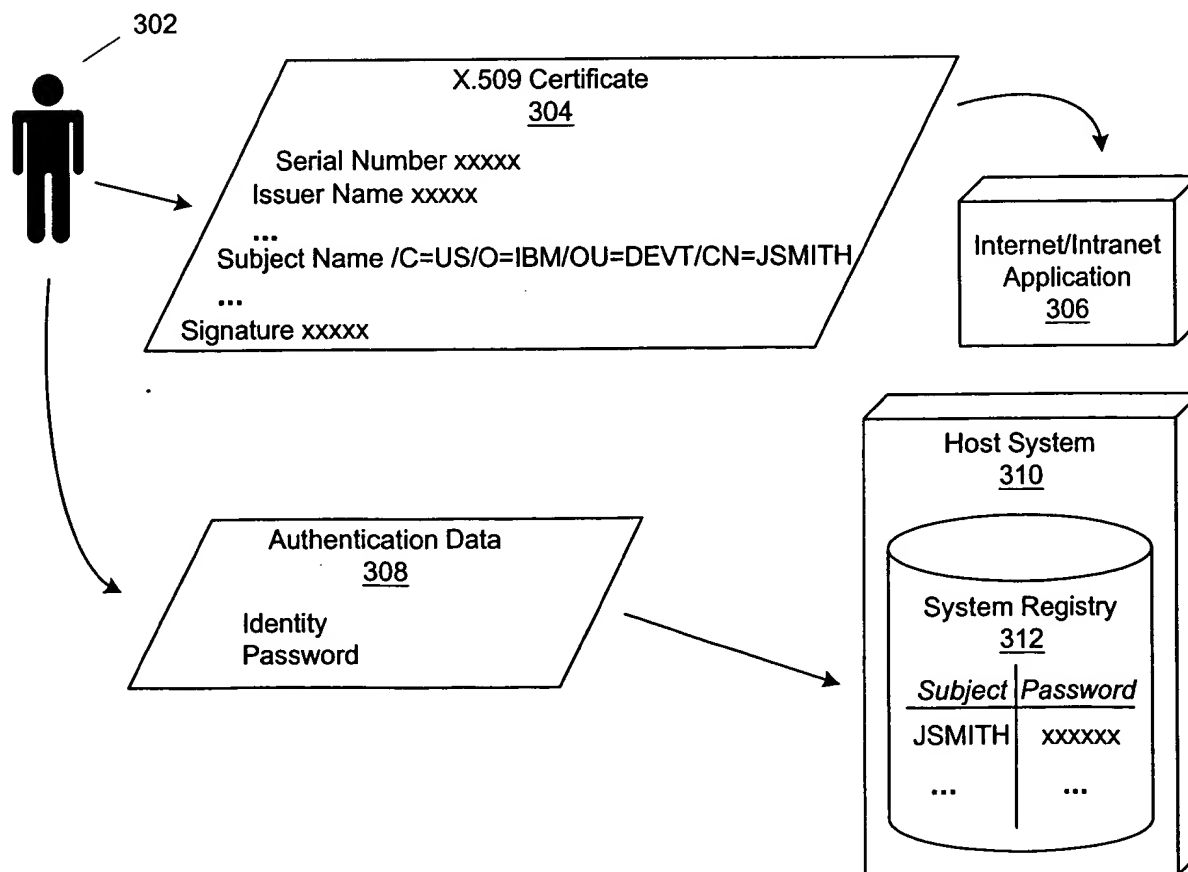


Figure 3

001260-0003960

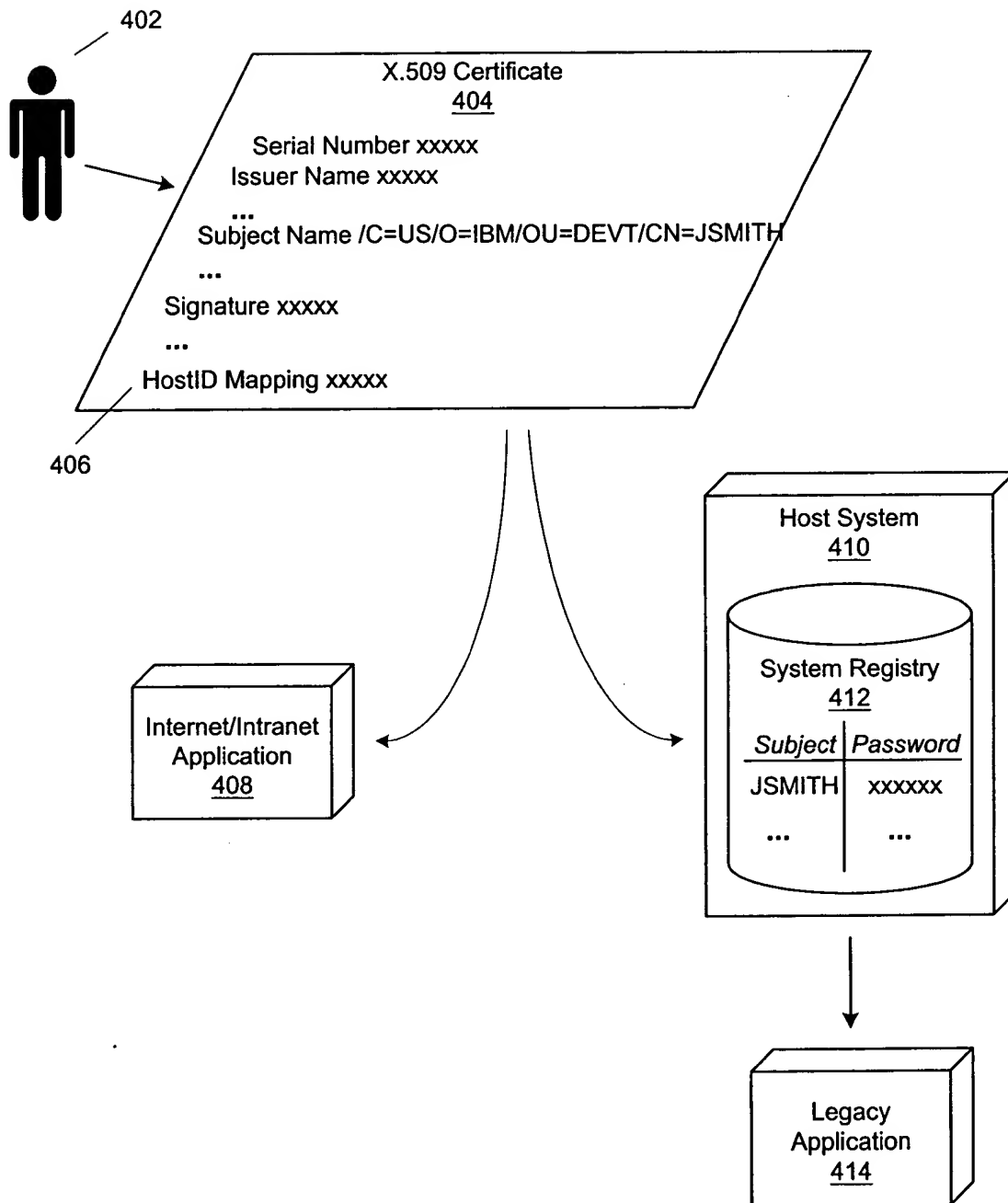


Figure 4

Certificate ::= SEQUENCE {
 tbsCertificate TBSCertificate,
 signatureAlgorithm AlgorithmIdentifier,
 signature BIT STRING }

TBSCertificate ::= SEQUENCE {
 version [0] Version DEFAULT v1,
 serialNumber CertificateSerialNumber,
 signature AlgorithmIdentifier,
 issuer Name,
 validity Validity,
 subject Name,
 subjectPublicKeyInfo SubjectPublicKeyInfo,
 issuerUniqueID [1] IMPLICIT UniqueIdentifier OPTIONAL,
 subjectUniqueID [2] IMPLICIT UniqueIdentifier OPTIONAL,
 extensions [3] Extensions OPTIONAL }

Version ::= INTEGER { v1(0), v2(1), v3(2) }

CertificateSerialNumber ::= INTEGER

Validity ::= SEQUENCE {
 notBefore Time,
 notAfter Time }

Time ::= CHOICE {
 utcTime UTCTime,
 generalTime GeneralizedTime }

UniqueIdentifier ::= BIT STRING

SubjectPublicKeyInfo ::= SEQUENCE {
 algorithm AlgorithmIdentifier,
 subjectPublicKey BIT STRING }

Extensions ::= SEQUENCE SIZE (1..MAX) OF Extension

Extension ::= SEQUENCE {
 extnID OBJECT IDENTIFIER,
 critical BOOLEAN DEFAULT FALSE,
 extnValue OCTET STRING }

Figure 5
Priort Art

HostIdMapping ::= SEQUENCE {
 hostName [1] IMPLICIT IA5String,
 subjectID IMPLICIT IA5String,
 proofOfIdPossession IdProof OPTIONAL }

IdProof ::= SEQUENCE {
 secret OCTET STRING,
 encryptionAlgorithm OBJECT IDENTIFIER }

Figure 6

```

graph TD
    User((User 702))
    subgraph HostSystem [Host System 700]
        direction TB
        subgraph Keys [ ]
            direction TB
            HPK[Host Public Key 728]
            HPK[Host Private Key 730]
        end
    end
    subgraph Request[Request for Certificate 712]
        direction TB
        UPK[User Public Key 704]
        HEM[HostIdMapping Encrypted for CA 714]
    end
    subgraph Cert[Certifying Authority 716]
        direction TB
        CAPK[CA Public Key 718]
        CAPPK[CA Private Key 720]
    end
    subgraph Cert2[X.509 Certificate 722]
        direction TB
        USPK[User Public Key Signed 724]
        HEM2[HostIdMapping Encrypted for Host 726]
    end
    subgraph Cert3[X.509 Certificate 722]
        direction TB
        USPK2[User Public Key Signed 724]
        HEM3[HostIdMapping Encrypted for Host 726]
    end
    subgraph ND[(Network Directory 710)]
        direction TB
        HC[Host X.509 Certificate 708]
    end
    subgraph AD[Authentication Data 732]
        direction TB
        ID[Identity]
        PW[Password]
    end
    subgraph LA[Legacy Application 734]
    end

    User --> Request
    Request --> Cert
    Cert --> Cert2
    Cert2 --> User
    User --> Cert3
    Cert3 --> ND
    ND --> HostSystem
    HostSystem --> AD
    AD --> LA

```

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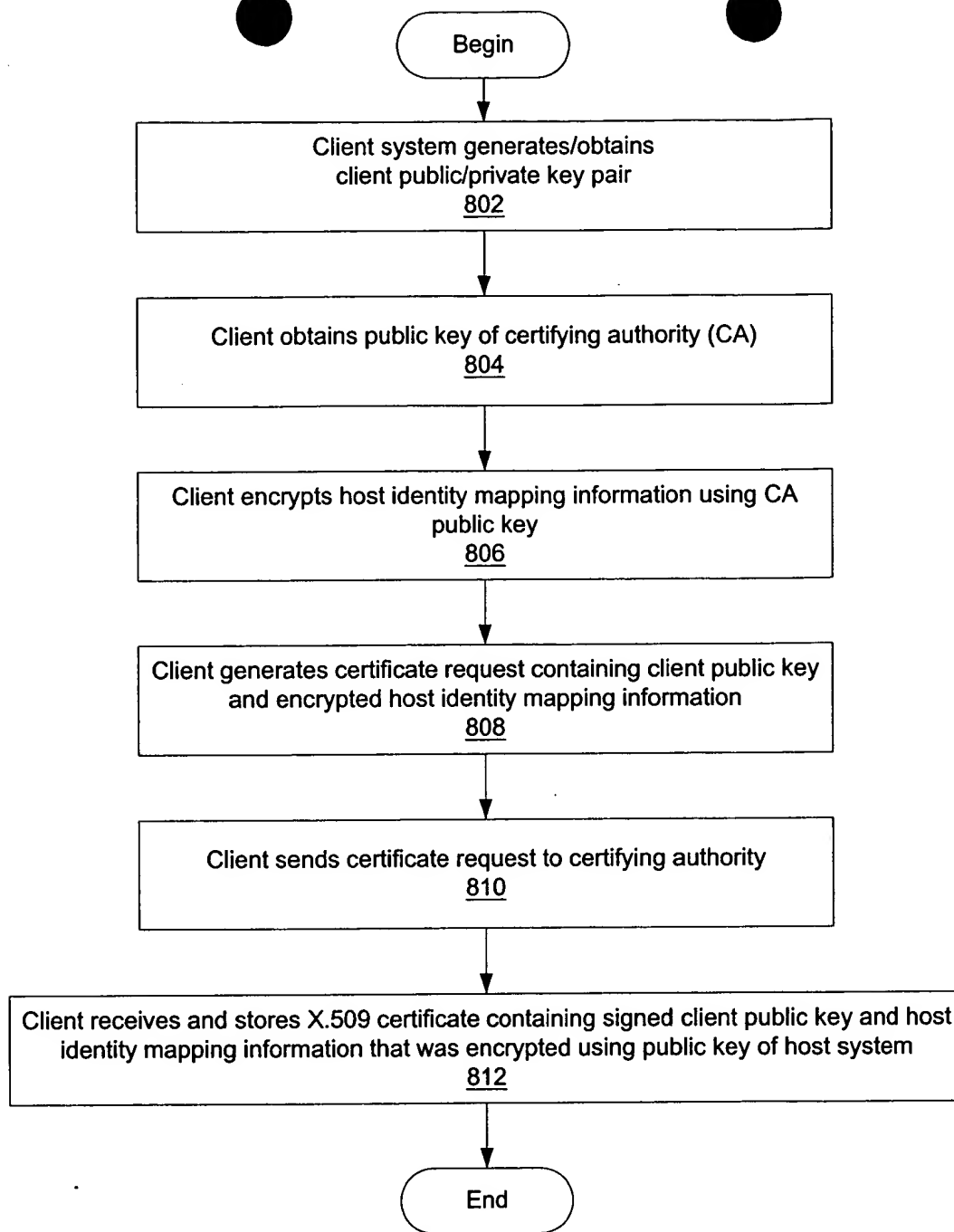
[illegible]

Figure 8A

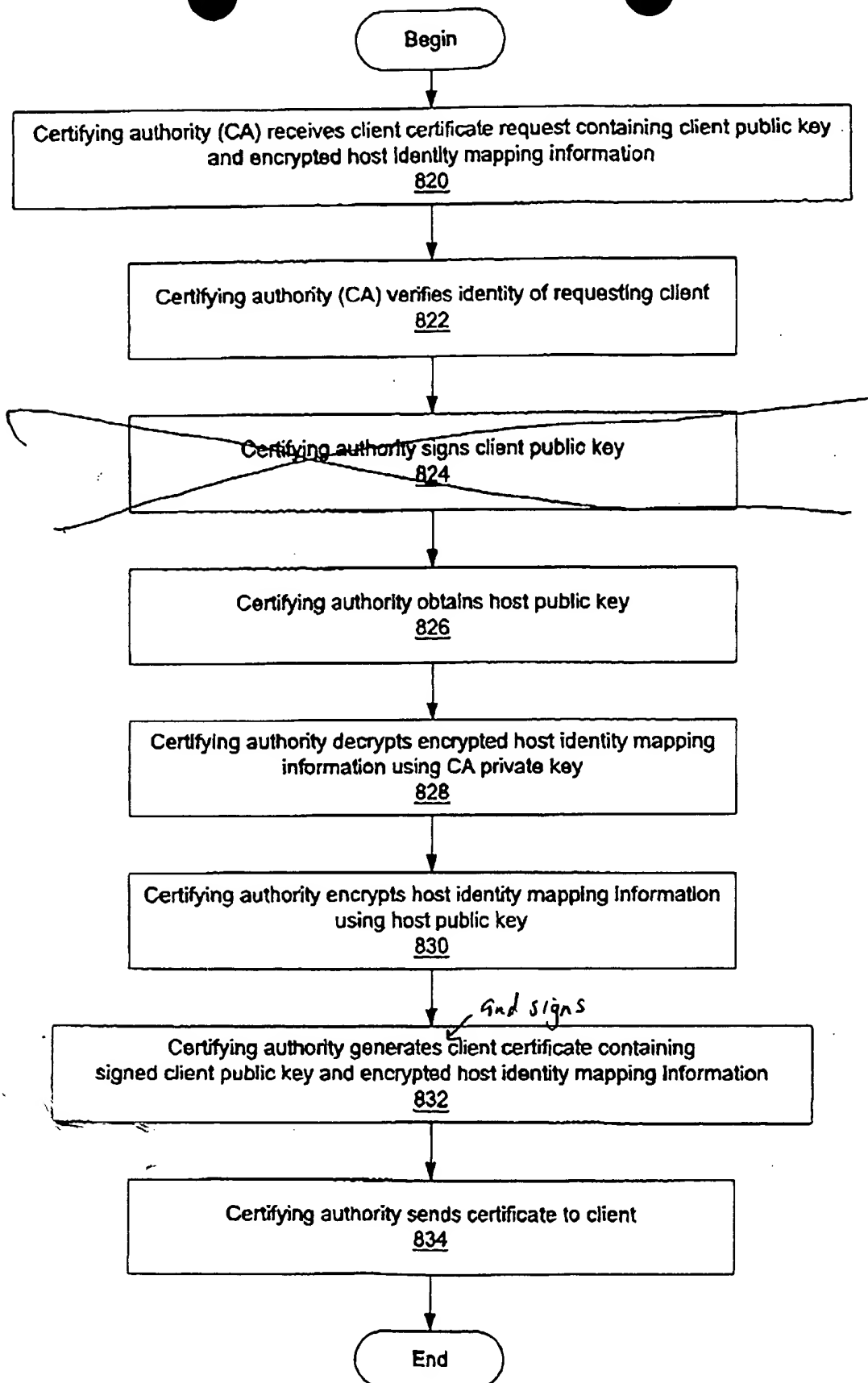


Figure 8B

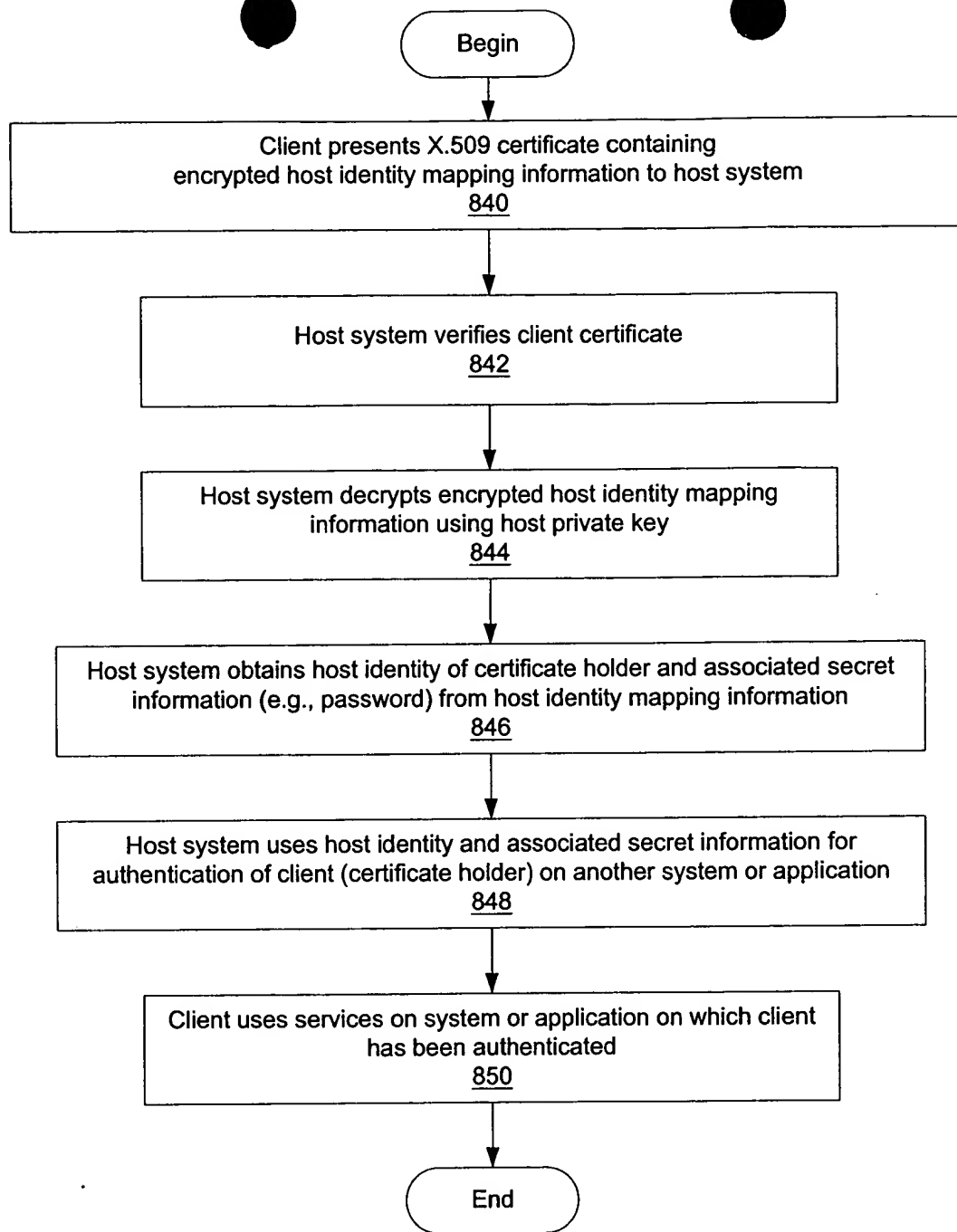


Figure 8C